

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A mobile phone having a software application for reducing the bitrate of an image to be wirelessly transmitted by the mobile phone, said mobile phone comprising:
 - a processor;
 - a processor readable storage medium;
 - code recorded in the processor readable storage medium to remove a portion of an original image frame thereby creating dead clusters within the image frame;
 - code recorded in the processor readable storage medium to fill the dead clusters of the removed portion of the image frame with data to create a new image frame having a smaller bitrate than the original image frame;
 - code recorded in the processor readable storage medium to encode the new image frame such that it requires less bandwidth during wireless transmission than the original image frame would require; and
 - code recorded in the processor readable storage medium to include a representation of the removed portion of the original image frame with the new image frame during wireless transmission of the new image frame so that it may be utilized by the receiver to improve the presentation of the received image frame by integrating it back into the received image frame; and
 - an RF component for wirelessly transmitting the encoded image frame and the representation of the removed portion of the original image frame.
2. (Original) The mobile phone of claim 1 wherein the data used to fill the dead clusters is white data.
3. (Original) The mobile phone of claim 1 wherein the data used to fill the dead clusters is black data.

4. (Canceled)

5. (Original) The mobile phone of claim 1 further comprising:
code recorded in the processor readable storage medium to automatically determine whether there is a subject centered in the original image frame prior to executing the bitrate reduction software application on the original image frame; and
code recorded in the processor readable storage medium to execute the bitrate reduction software application if the original image is determined to contain a primary object centered in the image frame.

6. (Original) The mobile phone of claim 5 automatically determining whether there is a subject centered in the original image frame is achieved using a contour detection technique applied to the data in the image frame.

7. (Currently Amended) A method that enables a mobile phone to reduce the bitrate of an image to be wirelessly transmitted by the mobile phone, said method comprising:

removing a portion of an original image frame thereby creating dead clusters within the image frame;

filling the dead clusters of the removed portion of the image frame with data to create a new image frame having a smaller bitrate than the original image frame;

encoding the new image frame such that it requires less bandwidth during wireless transmission than the original image frame would require; and

including a representation of the removed portion of the original image frame with the new image frame during wireless transmission of the new image frame so that it may be utilized by the receiver to improve the presentation of the received image frame by integrating it back into the received image frame; and

wirelessly transmitting the encoded image frame and the removed portion of the original image frame.

8. (Original) The method of claim 7 wherein the data used to fill the dead clusters

is white data.

9. (Original) The method of claim 7 wherein the data used to fill the dead clusters is black data.

10. (Canceled)

11. (Original) The method of claim 7 further comprising:

automatically determining whether there is a subject centered in the original image frame prior to executing the bitrate reduction software application on the original image frame; and

executing the bitrate reduction software application if the original image is determined to contain a primary object centered in the image frame.

12. (Original) The method of claim 11 wherein automatically determining whether there is a subject centered in the original image frame is achieved using a contour detection technique applied to the data in the image frame.

13. (Currently Amended) An apparatus that enables a mobile phone to reduce the bitrate of an image to be wirelessly transmitted by the mobile phone, said apparatus comprising:

means for removing a portion of an original image frame thereby creating dead clusters within the image frame;

means for filling the dead clusters of the removed portion of the image frame with data to create a new image frame having a smaller bitrate than the original image frame;

means for encoding the new image frame such that it requires less bandwidth during wireless transmission than the original image frame would require; and

means for including a representation of the removed portion of the original image frame with the new image frame during wireless transmission of the new image frame so that it may be utilized by the receiver to improve the presentation of the received image frame; and

means for wirelessly transmitting the encoded image frame and the representation of the removed portion of the original image frame.

14. (Original) The apparatus of claim 13 wherein the data used to fill the dead clusters is white data.

15. (Original) The apparatus of claim 13 wherein the data used to fill the dead clusters is black data.

16. (Canceled)

17. (Original) The apparatus of claim 13 further comprising:
means for automatically determining whether there is a subject centered in the original image frame prior to executing the bitrate reduction software application on the original image frame; and
means for executing the bitrate reduction software application if the original image is determined to contain a primary object centered in the image frame.

18. (Original) The apparatus of claim 17 wherein automatically determining whether there is a subject centered in the original image frame is achieved using a contour detection technique applied to the data in the image frame.

19. (Previously Presented) The mobile phone of claim 1 wherein the original image frame comprises an existing stored image file on the storage medium of the mobile phone.

20. (Previously Presented) The method of claim 7 wherein the original image frame comprises an existing stored image file on the storage medium of the mobile phone.

21. (Previously Presented) The apparatus of claim 13 wherein the original image frame comprises an existing stored image file on the storage medium of the mobile phone.